NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s):   Ranken Technical College

Program Title: Application & Web Development

Degree/Certificate: Associate of Technology

Options: Click here to enter text.

Delivery Site(s):   755 Parr Road, Wentzville, MO 63385

CIP Classification: 11.0201

*CIP code can be cross-referenced with programs offered in your region on MDHE's program inventory highered.mo.gov/ProgramInventory/search.jsp

Implementation Date: August 2016

Cooperative Partners: Click here to enter text.

*If this is a collaborative program, form CL must be included with this proposal

AUTHORIZATION:

Donald J. Pohl/Executive Vice President	*(signature)*	3-21-2016
Name/Title of Institutional Officer	Signature	Date

June Poletti	314-286-4817
Person to Contact for More Information	Telephone

STUDENT ENROLLMENT PROJECTIONS

Year	1	2	3	4	5
Full Time	22	34	44	44	44
Part Time					
Total	22	34	44	44	44

Please provide a rationale regarding how student enrollment projections were calculated:

The projected enrollment is based on current student enrollment in Ranken's other Wentzville IT courses. Many of the Wentzville area high schools have strong programming curriculum that will help drive interest in the "Application & Web Development" program.

Provide a rationale for proposing this program, including evidence of market demand and societal need supported by research:

Web Developers design, create, and modify web sites. They analyze user needs to implement web site content, graphics, performance, and capacity and confer with management or development teams to prioritize needs, resolve conflicts, develop content criteria, or choose solutions. Annual projected job openings in the state of Missouri for Web Developers is 60. Projected growth from 2012 to 2022 is an average of 12%.

PROGRAM STRUCTURE

A. Total credits required for graduation: <u>80</u>

B. Residency requirements, if any: _____
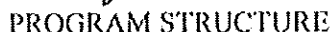
C. General education: Total credits: <u>24</u>

Courses (specific courses OR distribution area and credits):

Course Number	Credits	Course Title
ENG1101	3	College Composition I
ENG2102	3	College Composition II
COM1105	3	Oral Communications
SOC1206 or PSY1206	3	Principles of Sociology OR Introduction to Psychology
MTH1110	3	Elementary Algebra
MTH1111	3	Intermediate Algebra
MNG1204	3	Introduction to Business & Management
BUS1000	3	Career Success Skills

D. Major requirements: Total credits: <u>56</u>

Course Number	Credits	Course Title
AWD1000	14	Web Development Technologies
AWD1100	14	Programming Fundamentals with C#
AWD1111	14	.NET Framework with Web Databases
AWD1112	14	Application Programming with Java

E. Free elective credits:
<u>none</u>
(Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:
<u>none</u>

G. Any unique features such as interdepartmental cooperation:
<u>none</u>

PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name   Ranken Technical College
Program Name   Application & Web Development
Date   3-21-16

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.
  No special preparation will be required. Students must complete an application; submit a copy of their high school diploma, final high school transcript or GED certificate; take the Compass Placement Test for Reading, Math and Writing or submit ACT scores in Reading (16 or higher), Math (17 or higher) and composition (7 or higher); pay the $95 non-refundable registration fee.

- Characteristics of a specific population to be served, if applicable.
  None.

2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.
  AS or BS degree in Information Technology or related computer field. Proficiency with PC hardware, Command line, Windows 7, Windows 8, and HTML are required. Proficiency in VMWare, NetApp, and MS SQL Server.

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.
  Each full time faculty member teaches one 14-credit hour course.

- Expectations for professional activities, special student contact, teaching/learning innovation.
  Faculty are expected to travel to area schools and industry to promote the program. Work closely with program advisory committee to maintain and enhance curriculum and assess program outcomes.

3. Enrollment Projections
- Student FTE majoring in program by the end of five years.
  We expect to have 44 students enrolled in various levels of completion during year five of the program.

- Percent of full time and part time enrollment by the end of five years.
  100 % full time enrollment

4. Student and Program Outcomes
- Number of graduates per annum at three and five years after implementation.
  Year 3: 20 graduates   Year 5: 40 graduates

- Special skills specific to the program.
  Graduates of the Application & Web Development program will be able to develop and design websites that use the latest version of HTML, CSS, JavaScript and modern JavaScript libraries; utilize object-orientated programming principles and fundamentals to develop, troubleshoot, and implement applications in both Java and C# programming languages; develop web based applications using traditional .NET framework, MVC.NET and .NET web services; and create data driven web based applications that utilize T-SQL, stored procedures, LINQ, and/or ADO.NET data access techniques.

- Proportion of students who will achieve licensing, certification, or registration.
  No specific license or national certification will be earned with this program

- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.
  There is not a nationally recognized assessment test at this time.

- Placement rates in related fields, in other fields, unemployed.
  There is no data on file at this time.

- Transfer rates, continuous study.
  We anticipate 10% of graduates may transfer or continue study towards a bachelor level degree.

5. Program Accreditation
- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. **If there are no plans to seek specialized accreditation, please provide a rationale.**
  Ranken Technical College is accredited by The Higher Learning Commission.

6. Alumni and Employer Survey

- Expected satisfaction rates for alumni, *including timing and method of surveys.*
  Alumni will be invited to serve on departmental advisory boards that provide advice and information to keep faculty up to date on recent trends in industry.

- Expected satisfaction rates for employers, including timing and method of surveys. Employers who hire graduates are invited to serve on departmental advisory boards that provide advice and information to keep programs up-to-date on recent trends in their industry. These vital contributions ensure that Ranken's curriculum stays on the leading edge of the industries we serve.

7. Institutional Characteristics

- Characteristics demonstrating why your institution is particularly well-equipped to support the program.
  Through a unique combination of classroom education and hands-on instruction, each student is fully educated to be successful in his or her technical field of choice. Our education formula is founded on success and career development. The formula for a student's success is based upon three equal components: technical education, general education, and work ethic.

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Form PG – Program Characteristics and Performance Goals